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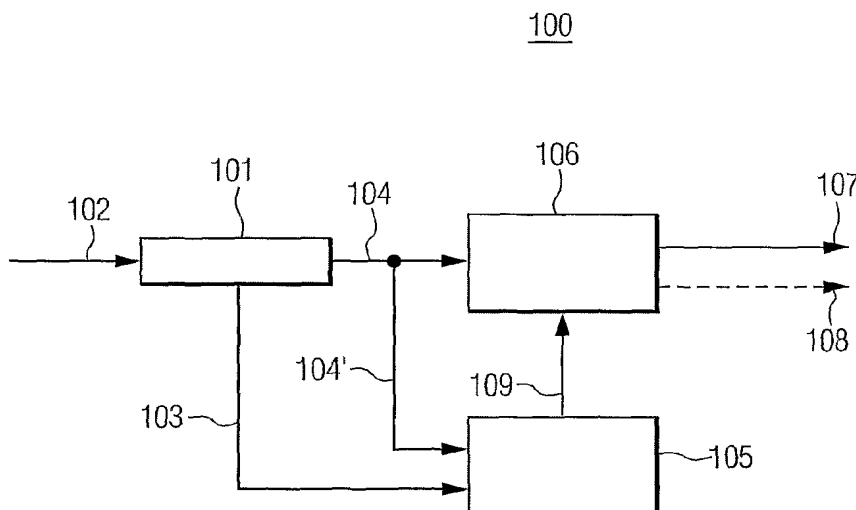
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[Continued on next page]

(54) Title: LUMINANCE TRANSIENT IMPROVEMENT USING V IDEO ENCODING METRIC FOR DIGITAL VIDEO PROCESSING



(57) Abstract: A method of improving luminance transition includes decoding a coded video bitstream around a transition from a first luminance level to a second luminance level; and providing luminance transition enhancement based on a metric indicative of video bitstream. Additionally, an apparatus that improves a luminance transition includes a video decoder and a module that determines a metric indicative of the degree of video coding artifacts in a signal. The apparatus also includes a video processing module that includes a luminance transient enhancement module. The luminance enhancement module provides transition based on at least a value of the metric at the transition.

WO 2005/094062 A1



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Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM,

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- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii)) for all designations

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